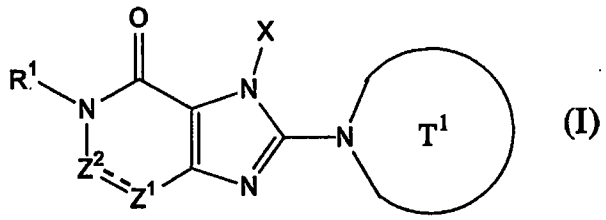
Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) ~~A preventive or therapeutic agent for multiple sclerosis, which comprises the~~ A method for treating or preventing multiple sclerosis, the method comprising administering to a patient in need thereof a therapeutically effective amount of a compound represented by formula (I), or a pharmaceutically acceptable salt or hydrate thereof,



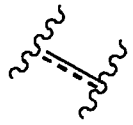
(I)

~~[wherein,~~ wherein,

T^1 represents a mono- or bicyclic 4- to 12-membered heterocyclic group comprising one or two nitrogen atoms in a ring, which may have substituents;

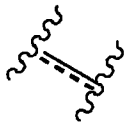
X represents a C_{1-6} alkyl group that may have a substituent, a C_{2-6} alkenyl group that may have a substituent, a C_{2-6} alkynyl group that may have a substituent, a C_{6-10} aryl group that may have a substituent, a 5- to 10-membered heteroaryl group that may have a substituent, a C_{6-10} aryl C_{1-6} alkyl group that may have a substituent, or a 5- to 10-membered heteroaryl C_{1-6} alkyl group that may have a substituent;

in formula (I), the following formula



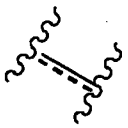
represents a single or double bond;

and when the formula



represents a single bond, Z^1 represents a group represented by the formula $-NR^2-$, and Z^2 represents a carbonyl group;

when the formula



represents a double bond, Z^1 and Z^2 each independently represent a nitrogen atom or a group represented by the formula $-CR^2=$;

R^1 and R^2 each independently represent a group represented by the formula $-A^0-A^1-A^2$

wherein, ~~(wherein,~~ A^0 represents a single bond or a C_{1-6} alkylene group that may have one to three groups selected from a substituent group B described below;

A^1 represents a single bond, an oxygen atom, a sulfur atom, a sulfinyl group, a sulfonyl group, a carbonyl group, a formula -O-CO-, a formula -CO-O-, a formula $-NR^A-$, a formula $-CO-NR^A-$, a formula $-NR^A-CO-$, a formula $-SO_2-NR^A-$, or a formula $-NR^A-SO_2-$;

A^2 and R^A each independently represent a hydrogen atom, a halogen atom, a cyano group, a guanidino group, a C_{1-6} alkyl group, a C_{3-8} cycloalkyl group, a C_{3-8} cycloalkenyl group, a C_{2-6} alkenyl group, a C_{2-6} alkynyl group, a C_{6-10} aryl group, a 5- to 10-membered heteroaryl group, a 4- to 8-membered heterocyclic group, a 5- to 10-membered heteroaryl C_{1-6} alkyl group, a C_{6-10} aryl C_{1-6} alkyl group, or a C_{2-7} alkyl carbonyl group;

with the proviso that A^2 and R^A may each independently have one to three ~~groups~~ moieties selected from substituent group B, substituent group B consisting of: ~~described below);~~

a hydroxyl group, a mercapto group, a cyano group, a nitro group, a halogen atom, a trifluoromethyl group, a trifluoromethoxy group, an alkylenedioxy group, a C_{1-6} alkyl group that may have a substituent, a C_{3-8} cycloalkyl group, a C_{2-6} alkenyl group, a C_{2-6} alkynyl group, a C_{6-10} aryl group, a 5- to 10-membered heteroaryl group, a 4- to 8-membered heterocyclic group, a C_{1-6} alkoxy group, a C_{1-6} alkylthio group;

groups represented by the formulae $-SO_2-NR^{B1}-R^{B2}$, $-NR^{B1}-CO-R^{B2}$, and $-NR^{B1}-R^{B2}$,

where R^{B1} and R^{B2} each independently represent a hydrogen atom or a C_{1-6} alkyl group,

a group represented by the formula $-CO-R^{B3}$,

where R^{B3} represents a 4- to 8-membered heterocyclic group,

and groups represented by the formulae $-CO-R^{B4}-R^{B5}$ and $-CH_2-CO-R^{B4}-R^{B5}$

where R^{B4} represents a single bond, an oxygen atom, or a formula $-NR^{B6}-$; and

R^{B5} and R^{B6} each independently represent a hydrogen atom, a C_{1-6} alkyl group, a C_{3-8} cycloalkyl group, a C_{2-6} alkenyl group, a C_{2-6} alkynyl group, a C_{6-10} aryl group, a 5- to 10-membered heteroaryl group, a 4- to 8-membered heterocyclic C_{1-6} alkyl group, a C_{6-10} aryl C_{1-6} alkyl group, or a 5-10-membered heteroaryl C_{1-6} alkyl group; and

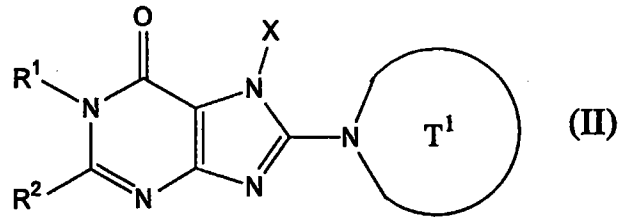
when Z^2 represents the formula $-CR^2=$, R^1 and R^2 may together form a 5- to 7-membered ~~ring;~~ ring.

~~<Substituent group B>~~

~~substituent group B refers to a group consisting of:~~

~~a hydroxyl group, a mercapto group, a cyano group, a nitro group, a halogen atom, a trifluoromethyl group, a trifluoromethoxy group, an alkylenedioxy group, a C_{1-6} alkyl group that may have a substituent, a C_{3-8} cycloalkyl group, a C_{2-6} alkenyl group, a C_{2-6} alkynyl group, a C_{6-10} aryl group, a 5- to 10-membered heteroaryl group, a 4- to 8-membered heterocyclic group, a C_{1-6} alkoxy group, a C_{1-6} alkylthio group, groups represented by the formulae $-SO_2-NR^{B1}-R^{B2}$, $-NR^{B1}-CO-R^{B2}$, and $-NR^{B1}-R^{B2}$ (where R^{B1} and R^{B2} each independently represent a hydrogen atom or a C_{1-6} alkyl group), a group represented by the formula $-CO-R^{B3}$ (where R^{B3} represents a 4- to 8-membered heterocyclic group), and groups represented by the formulae $-CO-R^{B4}-R^{B5}$ and $-CH_2-CO-R^{B4}-R^{B5}$ (where R^{B4} represents a single bond, an oxygen atom, or a formula $-NR^{B6}-$; R^{B5} and R^{B6} each independently represent a hydrogen atom, a C_{1-6} alkyl group, a C_{3-8} cycloalkyl group, a C_{2-6} alkenyl group, a C_{2-6} alkynyl group, a C_{6-10} aryl group, a 5- to 10-membered heteroaryl group, a 4- to 8-membered heterocyclic C_{1-6} alkyl group, a C_{6-10} aryl C_{1-6} alkyl group, or a 5-10-membered heteroaryl C_{1-6} alkyl group)].~~

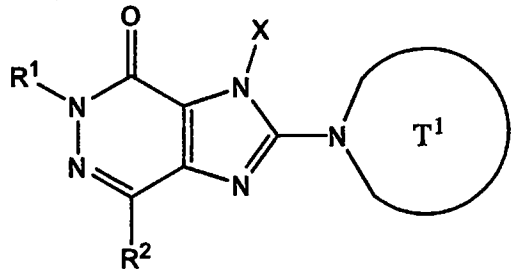
2. (Currently Amended) The method of claim 1, wherein the compound has the formula: ~~A preventive or therapeutic agent for multiple sclerosis, which comprises the compound represented by formula (II), or a salt or hydrate thereof,~~



(II)

~~[wherein, X, R^1, R^2 and T^1 have the same meaning as X, R^1, R^2 and T^1 of claim 1]~~.

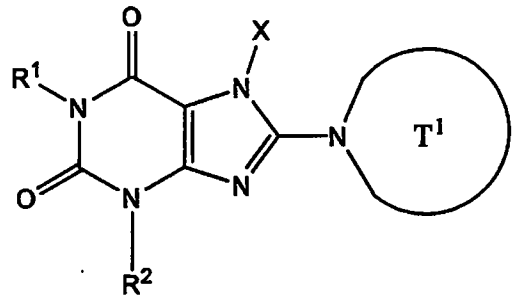
3. (Currently Amended) The method of claim 1, wherein the compound has the formula: ~~A preventive or therapeutic agent for multiple sclerosis, which comprises the compound represented by formula (III), or a salt or hydrate thereof,~~



(III)

~~[wherein, X, R^1, R^2 and T^1 have the same meaning as X, R^1, R^2 and T^1 of claim 1].~~

4. (Currently Amended) The method of claim 1, wherein the compound has the formula: ~~A preventive or therapeutic agent for multiple sclerosis, which comprises the compound represented by formula (IV), or a salt or hydrate thereof,~~



(IV)

~~[wherein, X, R^1, R^2 and T^1 have the same meaning as X, R^1, R^2 and T^1 of claim 1].~~

5. (Currently Amended) The method of claim 1, ~~A preventive or therapeutic agent for multiple sclerosis, which comprises the compound of any one of claims 1 to 4, or a salt or hydrate thereof,~~ wherein T^1 is selected from the group consisting of:

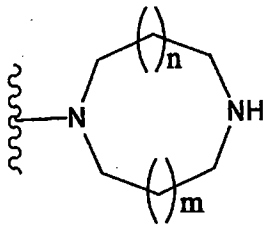
an azetidin-1-yl group that may have a substituent;

a pyrrolidine-1-yl group that may have a substituent;

a piperidine-1-yl group that may have a substituent;

an azepan-1-yl group that may have a substituent; and

~~described above is~~ a group represented by the following formula:



~~(where~~ where n and m each independently represent zero or one. ~~one), an azetidin-1-yl group that may have a substituent, a pyrrolidine-1-yl group that may have a substituent, a piperidine-1-yl group that may have a substituent, or an azepan-1-yl group that may have a substituent~~.

6. (Currently Amended) The method of claim 1, ~~A preventive or therapeutic agent for multiple sclerosis, which comprises the compound of any one of claims 1 to 4, or a salt or hydrate thereof,~~ wherein T^1 is selected from the group consisting of:

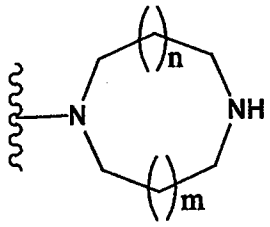
an azetidin-1-yl group that may have an amino group;

a pyrrolidin-1-yl group that may have an amino group,

a piperidin-1-yl group that may have an amino group;

an azepan-1-yl group that may have an amino group; and

~~described above~~ is a group represented by the following formula:



~~(where~~ where n and m each independently represent zero or one. ~~one), an azetidin-1-yl group that may have an amino group, a pyrrolidin-1-yl group that may have an amino group, a piperidin-1-yl group that may have an amino group, or an azepan-1-yl group that may have an amino group.~~

7. (Currently Amended) The method of claim 1, ~~A preventive or therapeutic agent for multiple sclerosis, which comprises the compound of any one of claims 1 to 4, or a salt~~

~~or hydrate thereof,~~ wherein T^1 ~~described above~~ is a piperazine-1-yl group or a 3-aminopiperidine-1-yl group.

8. (Currently Amended) The method of claim 1, ~~A preventive or therapeutic agent for multiple sclerosis, which comprises the compound of any one of claims 1 to 4, or a salt or hydrate thereof,~~ wherein T^1 ~~described above~~ is a piperazine-1-yl group.

9. (Currently Amended) The method of claim 1, ~~A preventive or therapeutic agent for multiple sclerosis, which comprises the compound according to any one of claims 1 to 8, or a salt or hydrate thereof,~~ wherein X ~~described above~~ is a group represented by the formula -X^1-X^2 ~~(where~~ where

X^1 represents a single bond or a methylene group that may have a substituent;

X^2 represents

a C_{2-6} alkenyl group that may have a substituent,

a C_{2-6} alkynyl group that may have a substituent, or

a phenyl group that may have a substituent. ~~substituent).~~

10. (Currently Amended) The method of claim 1, ~~A preventive or therapeutic agent for multiple sclerosis, which comprises the compound of any one of claims 1 to 8, or a salt or hydrate thereof,~~ wherein X ~~described above~~ is a group represented by the formula -X^{11}-X^{12} ~~(where~~ where

X^{11} represents a single bond or a methylene group;

X^{12} represents

a C_{2-6} alkenyl group,

a C_{2-6} alkynyl group, or

a phenyl group that may have a substituent. ~~substituent).~~

11. (Currently Amended) ~~A preventive or therapeutic agent for multiple sclerosis, which comprises the compound~~ The method of claim 9 or 10, ~~or a salt or hydrate thereof,~~ wherein the phenyl group has ~~that may have~~ at position 2 a substituent selected from the

group consisting of: a hydroxyl group, a fluorine atom, a chlorine atom, a methyl group, an ethyl group, a fluoromethyl group, a vinyl group, a methoxy group, an ethoxy group, an acetyl group, a cyano group, a formyl group, and a C_{2-7} alkoxycarbonyl group.

12. (Currently Amended) The method of claim 1, ~~A preventive or therapeutic agent for multiple sclerosis, which comprises the compound of any one of claims 1 to 8, or a salt or hydrate thereof,~~ wherein X is a 3-methyl-2-buten-1-yl group, a 2-butyne-1-yl group, a benzyl group, or a 2-chlorophenyl group.

13. (Currently Amended) The method of claim 1, ~~A preventive or therapeutic agent for multiple sclerosis, which comprises the compound of any one of claims 1 to 8, or a salt or hydrate thereof,~~ wherein X is a 2-butyne-1-yl group.

14. (Currently Amended) The method of claim 1, ~~A preventive or therapeutic agent for multiple sclerosis, which comprises the compound of any one of claims 1 to 13, or a salt or hydrate thereof,~~ wherein R^1 is a hydrogen atom or a group represented by the formula
$-A^{10}-A^{11}-A^{12}$
~~(wherein,~~ wherein,

A^{10} represents a C_{1-6} alkylene group that may have one to three moieties ~~groups~~ selected from substituent group C, substituent group C consisting of: ~~described below;~~
a hydroxyl group, a nitro group, a cyano group, a halogen atom, a C_{1-6} alkyl group, a C_{1-6} alkoxy group, a C_{1-6} alkylthio group, a trifluoromethyl group, a group represented by the formula $-NR^{C1}-R^{C2}$,
where R^{C1} and R^{C2} each independently represent a hydrogen atom or a C_{1-6} alkyl group,
and groups represented by the formulae $-CO-R^{C3}-R^{C4}$ and $-CH_2-CO-R^{C3}-R^{C4}$,
where R^{C3} represents a single bond, an oxygen atom, or a formula $-NR^{C5}-$; and
R^{C4} and R^{C5} each independently represent a hydrogen atom or a C_{1-6} alkyl group;

A^{11} represents a single bond, an oxygen atom, a sulfur atom, or a carbonyl group;

A^{12} represents

a hydrogen atom,

a C_{6-10} aryl group that may have one to three moieties ~~groups~~ selected from substituent group C ~~described below~~,

a 5- to 10-membered heteroaryl group that may have one to three moieties ~~groups~~ selected from substituent group C ~~described below~~,

a 5- to 10-membered heteroaryl C_{1-6} alkyl group that may have one to three moieties ~~groups~~ selected from substituent group C ~~described below~~, or

a C_{6-10} aryl C_{1-6} alkyl group that may have one to three moieties ~~groups~~ selected from substituent group C ~~described below);~~

~~<Substituent group C>~~

~~substituent group C refers to a group consisting of:~~

~~a hydroxyl group, a nitro group, a cyano group, a halogen atom, a C_{1-6} alkyl group, a C_{1-6} alkoxy group, a C_{1-6} alkylthio group, a trifluoromethyl group, a group represented by the formula $-NR^{C1}-R^{C2}$ (where R^{C1} and R^{C2} each independently represent a hydrogen atom or a C_{1-6} alkyl group), and groups represented by the formulae $-CO-R^{C3}-R^{C4}$ and $-CH_2-CO-R^{C3}-R^{C4}$ (where R^{C3} represents a single bond, an oxygen atom, or a formula $-NR^{C5}-$; and R^{C4} and R^{C5} each independently represent a hydrogen atom or a C_{1-6} alkyl group).~~

15. (Currently Amended) The method of claim 1, ~~A preventive or therapeutic agent for multiple sclerosis, which comprises the compound of any one of claims 1 to 13, or a salt or hydrate thereof,~~ wherein

R^1 ~~described above~~ is

a hydrogen atom,

a C_{1-6} alkyl group that may have one to three moieties ~~groups~~ selected from substituent group C ~~described below~~, substituent group C consisting of:

a hydroxyl group, a nitro group, a cyano group, a halogen atom, a C_{1-6} alkyl group, a C_{1-6} alkoxy group, a C_{1-6} alkylthio group, a trifluoromethyl group, a group represented by the formula $-NR^{C1}-R^{C2}$,

where R^{C1} and R^{C2} each independently represent a hydrogen atom or a C_{1-6} alkyl group,

and groups represented by the formulae $-CO-R^{C3}-R^{C4}$ and $-CH_2-CO-R^{C3}-R^{C4}$

where R^{C3} represents a single bond, an oxygen atom, or a formula $-NR^{C5}-$; and

R^{C4} and R^{C5} each independently represent a hydrogen atom or a C_{1-6} alkyl group;

a 5- to 10-memebered heteroaryl C_{1-6} alkyl group that may have one to three moieties ~~groups~~ selected from substituent group C ~~described below~~, or

a C_{6-10} aryl C_{1-6} alkyl group that may have one to three moieties ~~groups~~ selected from substituent group C ~~described below;~~

~~<Substituent group C>~~

~~substituent group C refers to a group consisting of:~~

~~a hydroxyl group, a nitro group, a cyano group, a halogen atom, a C_{1-6} alkyl group, a C_{1-6} alkoxy group, a C_{1-6} alkylthio group, a trifluoromethyl group, a group represented by the formula $-NR^{C1}-R^{C2}$ (where R^{C1} and R^{C2} each independently represent a hydrogen atom or a C_{1-6} alkyl group), and groups represented by the formulae $-CO-R^{C3}-R^{C4}$ and $-CH_2-CO-R^{C3}-R^{C4}$ (where R^{C3} represents a single bond, an oxygen atom, or a formula $-NR^{C5}-$; and R^{C4} and R^{C5} each independently represent a hydrogen atom or a C_{1-6} alkyl group).~~

16. (Currently Amended) The method of ~~A preventive or therapeutic agent for multiple sclerosis, which comprises the compound of~~ claim 14 or 15~~, or a salt or hydrate thereof,~~ wherein substituent group C consists of a cyano group, a C_{1-6} alkoxy group, a C_{2-7} alkoxycarbonyl group, and halogen atom.

17. (Currently Amended) The method of claim 1, ~~A preventive or therapeutic agent for multiple sclerosis, which comprises the compound of any one of claims 1 to 13, or a salt or hydrate thereof,~~ wherein R^1 ~~described above~~ is a methyl group, a cyanobenzyl group, fluorocyanobenzyl group, a phenethyl group, a 2-methoxyethyl group, or a 4-methoxycarbonylpyridin-2-yl group.

18. (Currently Amended) The method of claim 1, ~~A preventive or therapeutic agent for multiple sclerosis, which comprises the compound of any one of claims 1 to 13, or a salt or hydrate thereof,~~ wherein R^1 is a methyl group or a 2-cyanobenzyl group.

19. (Currently Amended) The method of claim 1, ~~A preventive or therapeutic agent for multiple sclerosis, which comprises the compound of any one of claims 1 to 18, or a salt or hydrate thereof,~~ wherein

R^2 is

a hydrogen atom,

a cyano group, or

a group represented by the formula $-A^{21}-A^{22}$

(~~where~~ where A^{21} represents

a single bond,

an oxygen atom,

a sulfur atom,

a sulfinyl group,

a sulfonyl group,

a carbonyl group,

a formula -O-CO-,

a formula -CO-O-,

a formula $-NR^{A2}-$,

a formula $-CO-NR^{A2}-$,

or a formula $-NR^{A2}-CO-$;

A^{22} and R^{A2} each independently represent a hydrogen atom, a cyano group, a C_{1-6} alkyl group, a C_{3-8} cycloalkyl group, a C_{2-6} alkenyl group, a C_{2-6} alkynyl group, a C_{6-10} aryl group, a 5- to 10-membered heteroaryl group, a 4- to 8-membered heterocyclic group, a 5- to 10-membered heteroaryl C_{1-6} alkyl group, or a C_{6-10} aryl C_{1-6} alkyl group;

with the proviso that A^{22} and R^{A2} each independently may have one to three moieties ~~groups~~ selected from substituent group D, substituent group D consisting of:

a hydroxyl group,

a cyano group,

a nitro group,

a halogen atom,

a C_{1-6} alkyl group,

a C_{1-6} alkoxy group,

a C_{1-6} alkylthio group,

a trifluoromethyl group,

a group represented by the formula $-NR^{D1}-R^{D2}$

where R^{D1} and R^{D2} each independently represent a hydrogen atom or a C_{1-6} alkyl group,

a group represented by the formula $-CO-R^{D3}$

where R^{D3} represents a 4- to 8-membered heterocyclic group, and

a group represented by the formula $-CO-R^{D4}-R^{D5}$

where R^{D4} represents a single bond, an oxygen atom, or a formula $-NR^{D6}-$;

R^{D5} and R^{D6} each independently represent a hydrogen atom, a

C_{3-8} cycloalkyl group, or a
C_{1-6} alkyl group.

~~D described below);~~

~~<Substituent group D>~~

~~substituent group D refers to a group consisting of:~~

~~a hydroxyl group, a cyano group, a nitro group, a halogen atom, a C_{1-6} alkyl group, a C_{1-6} alkoxy group, a C_{1-6} alkylthio group, a trifluoromethyl group, a group represented by the formula $-NR^{D1}-R^{D2}$ (where R^{D1} and R^{D2} each independently represent a hydrogen atom or a C_{1-6} alkyl group), a group represented by the formula $-CO-R^{D3}$ (where R^{D3} represents a 4- to 8-membered heterocyclic group), and a group represented by the formula $-CO-R^{D4}-R^{D5}$ (where R^{D4} represents a single bond, an oxygen atom, or a formula $-NR^{D6}-$; R^{D5} and R^{D6} each independently represent a hydrogen atom, a C_{3-8} cycloalkyl group, or a C_{1-6} alkyl group).~~

20. (Currently Amended) The method of claim 1, ~~A preventive or therapeutic agent for multiple sclerosis, which comprises the compound of any one of claims 1 to 18, or a salt or hydrate thereof,~~ wherein

R^2 ~~described above~~ is

a hydrogen atom,

a cyano group,

a carboxy group,

a C_{2-7} alkoxycarbonyl group,

a C_{1-6} alkyl group,

a group represented by the formula $-CONR^{D7}R^{D8}$

(~~wherein~~ wherein R^{D7} and R^{D8} each independently represent a hydrogen atom or a C_{1-6} alkyl group, ~~group),~~

or a group represented by the formula $-A^{23}-A^{24}$

(~~where~~ where A^{23} represents

an oxygen atom,

a sulfur atom, or

a formula -NR^{A3}-;

A^{24} and R^{A3} each independently represent

a hydrogen atom,

a C_{1-6} alkyl group that may have a moiety ~~group~~ selected from substituent group ~~D1 described below,~~ D1, substituent group D1 consisting of:

a carboxy group,

a C_{2-7} alkoxycarbonyl group,

a C_{1-6} alkyl group,

a group represented by the formula -$CONR^{D7}R^{D8}$

wherein R^{D7} and R^{D8} each independently represent a hydrogen atom or a C_{1-6} alkyl group,

a pyrrolidin-1-ylcarbonyl group,

a C_{1-6} alkyl group, and

a C_{1-6} alkoxy group,

a C_{3-8} cycloalkyl group that may have a moiety ~~group~~ selected from substituent group D1 ~~described below~~,

a C_{2-6} alkenyl group that may have a moiety ~~group~~ selected from substituent group D1 ~~described below~~,

a C_{2-6} alkynyl group that may have a moiety ~~group~~ selected from substituent group D1 ~~described below~~,

a phenyl group that may have a moiety ~~group~~ selected from substituent group D1 ~~described below~~, or

a 5- to 10-membered heteroaryl group that may have a moiety ~~group~~ selected from substituent group D1. ~~D1 described below);~~

~~<Substituent group D1>~~

~~substituent group D1 refers to a group consisting of:~~

~~a carboxy group, a C_{2-7} alkoxycarbonyl group, a C_{1-6} alkyl group, a group represented by the formula $-CONR^{D7}R^{D8}$ (wherein R^{D7} and R^{D8} each independently represent a hydrogen atom or a C_{1-6} alkyl group), a pyrrolidin-1-ylcarbonyl group, a C_{1-6} alkyl group, and a C_{1-6} alkoxy group.~~

21. (Currently Amended) The method of claim 1, ~~A preventive or therapeutic agent for multiple sclerosis, which comprises the compound of any one of claims 1 to 18, or a salt or hydrate thereof,~~ wherein

R^2 ~~described above~~ is

a hydrogen atom,

a methyl group,

a cyano group,

a C_{1-6} alkoxy group, or

a group represented by the formula $-A^{25}-A^{26}$

(~~where~~ where A^{25} represents

an oxygen atom,

a sulfur atom, or

a formula $-NR^{A4}-$;

A^{26} and R^{A4} each independently represent

a hydrogen atom,

a C_{1-6} alkyl group that may have a moiety ~~group~~ selected from substituent group ~~D1 described below~~ D1, substituent group D1 consisting of:

a carboxy group,

a C_{2-7} alkoxycarbonyl group,

a C_{1-6} alkyl group,

a group represented by the formula $-CONR^{D7}R^{D8}$

wherein R^{D7} and R^{D8} each independently represent a hydrogen atom or a C_{1-6} alkyl group,

a pyrrolidin-1-ylcarbonyl group,

a C_{1-6} alkyl group, and

a C_{1-6} alkoxy group;

a C_{3-8} cycloalkyl group that may have a moiety ~~group~~ selected from substituent group D1 ~~described below~~, or

a phenyl group that may have a moiety ~~group~~ selected from substituent group D1. ~~D1 described below);~~

~~<Substituent group D1>~~

~~substituent group D1 refers to a group consisting of:~~

~~a carboxy group, a C_{2-7} alkoxycarbonyl group, a C_{1-6} alkyl group, a group represented by the formula $-CONR^{D7}R^{D8}$ (wherein R^{D7} and R^{D8} each independently represent a hydrogen atom or a C_{1-6} alkyl group), a pyrrolidin-1-ylcarbonyl group, a C_{1-6} alkyl group, and a C_{1-6} alkoxy group.~~

22. (Currently Amended) The method of claim 1, ~~A preventive or therapeutic agent for multiple sclerosis, which comprises the compound of any one of claims 1 to 18, or a salt or hydrate thereof,~~ wherein

R^2 ~~described above~~ is

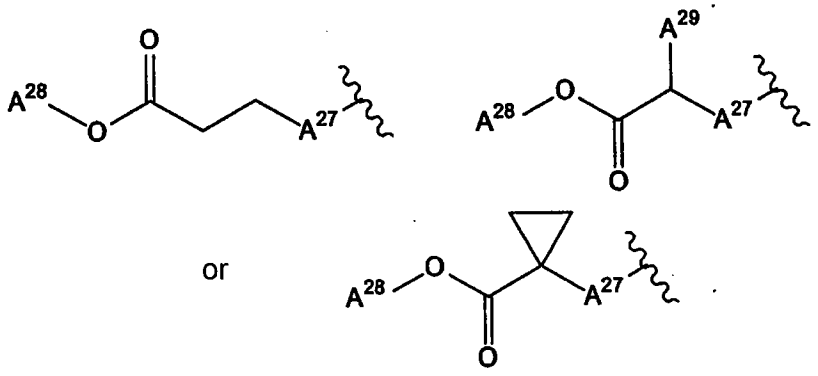
a hydrogen atom,

a cyano group,

a methoxy group,

a carbamoylphenyloxy group, or

a group represented by the following formula:



(~~where~~ where A^{27} represents an oxygen atom, a sulfur atom, or -NH-; and

A^{28} and A^{29} each independently represent a hydrogen atom or a C_{1-6} alkyl group. ~~group).~~

23. (Currently Amended) The method of claim 1, ~~A preventive or therapeutic agent for multiple sclerosis, which comprises the compound of any one of claims 1 to 18, or a salt or hydrate thereof,~~ wherein R^2 ~~described above~~ is a hydrogen atom, a cyano group, or a 2-carbamoylphenyloxy group.

24. (Currently Amended) The method ~~A preventive or therapeutic agent for multiple sclerosis, which comprises the compound~~ of claim 1, ~~or a salt or hydrate thereof,~~ wherein the compound represented by formula (I) is ~~any one of the compounds~~ selected from the group consisting of:
7-(2-butynyl)-1,3-dimethyl-8-(piperazin-1-yl)-3,7-dihydropurine-2,6-dione,
7-(2-butynyl)-2-cyano-1-methyl-8-(piperazin-1-yl)-1,7-dihydropurin-6-one,
3-(2-butynyl)-5-methyl-2-(piperazin-1-yl)-3,5-dihydroimidazo[4,5-d]pyridazin-4-one,
2-(3-aminopiperidin-1-yl)-3-(2-butynyl)-5-methyl-3,5-dihydroimidazo[4,5-d]pyridazin-4-one,
2-[7-(2-butynyl)-1-methyl-6-oxo-8-(piperazin-1-yl)-6,7-dihydro-1H-purin-2-yloxy]benzamide,
7-(2-butynyl)-1-(2-cyanobenzyl)-6-oxo-8-(piperazin-1-yl)-6,7-dihydro-1H-purine-2-carbonitrile, and
2-[3-(2-butynyl)-4-oxo-2-(piperazin-1-yl)-3,4-dihydroimidazo[4,5-d]pyridazin-5-ylmethyl]benzonitrile.

25. (Currently Amended) The method ~~A preventive or therapeutic agent for multiple sclerosis, which comprises the compound~~ of claim 1, ~~or a salt or hydrate thereof,~~ wherein the compound represented by formula (I) is ~~any one of the compounds~~ selected from the group consisting of:
7-(2-butynyl)-2-cyano-1-methyl-8-(piperazin-1-yl)-1,7-dihydropurin-6-one,
3-(2-butynyl)-5-methyl-2-(piperazin-1-yl)-3,5-dihydroimidazo[4,5-d]pyridazin-4-one,
2-(3-aminopiperidin-1-yl)-3-(2-butynyl)-5-methyl-3,5-dihydroimidazo[4,5-d]pyridazin-4-one,
2-[7-(2-butynyl)-1-methyl-6-oxo-8-(piperazin-1-yl)-6,7-dihydro-1H-purin-2-yloxy]benzamide,

7-(2-butynyl)-1-(2-cyanobenzyl)-6-oxo-8-(piperazin-1-yl)-6,7-dihydro-1H-purine-2-carbonitrile, and

2-[3-(2-butynyl)-4-oxo-2-(piperazin-1-yl)-3,4-dihydroimidazo[4,5-d]pyridazin-5-ylmethyl]benzonitrile.